



COMMONWEALTH of VIRGINIA

Department of Health DIVISION OF SHELLFISH SANITATION

109 Governor Street, Room 614-B
Richmond, VA 23219

Ph: 804-864-7487

Fax: 804-864-7481

COCKRELL CREEK Growing Area # 012 Northumberland County Shoreline Sanitary Survey

Date: 29 June 2004

Survey Period: February 13, 2004 – May 19, 2004

Total Number of Properties Surveyed: 339

Surveyed By: D.B. Geeson, and W.A. McCarty, III

SECTION A: GENERAL

This survey area extends from Reference Point 12 at Fleet Point to Reference Point 13 at Cockrell Point, including all of Cockrell Creek and its tributaries.

The topography of the area varies in elevation from 5' around the shoreline of Cockrell Creek to a maximum of 20' along the northwest boundary of the headwaters. The population density throughout the area is mostly sparse with a moderate concentration around the Town of Reedville. The economy is based on local commerce, seafood and agriculture. Omega Protein, Inc. is the major employer of the area.

Meteorological data indicated that 9.34" of total rainfall fell for the survey period. A monthly breakdown is as follows:

February 13-29	0.27"	April	5.38"
March	2.74"	May 1-19	0.95"

There were sewered areas located within the survey. The entire Town of Reedville from Roseland Cemetery on Northumberland Highway to its end and extending out approximately ½ mile east on Blackberry Road and southeast on Fleeton Road is all sewered. From the end of Fleeton Point back to the area already sewered, Northumberland County offers optional hook-up to Reedville Sewage Treatment Works. This project was not fully complete at the time of inspection and a satisfactory list of homeowners connecting could not be produced, meaning that all of the properties in this area had to be surveyed.

Information in this report is gathered by and primarily for the use of the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data is made available to various agencies participating in shellfish program coordination activities and other interested parties.

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the Internet at <http://www.vdh.virginia.gov/oehs/shellfish/>.

Report copies are provided to the local health department for corrective action of deficiencies listed on the summary page in Section B.2. and B.3. and the Department of Environmental Quality for possible action at properties listed on the summary page in Sections B.1. and C.1. The Department of Environmental Quality is provided information on possible sources of animal pollution found in Section E.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. "DIRECT" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent resurvey of the area.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

6. **DIRECT** – Reedville Sewage Treatment Works, c/o Kenneth Eades, Northumberland County Administrator, PO Box 14, Reedville 22539. VPDES Permit # VA0060712. Design flow 0.2 MGD. Treatment consists of influent bar screens, grit chambers, parshall flume and comminutor, activated sludge aeration basins (operated in extended aeration mode) sedimentation, effluent polishing pond, chlorination, dechlorination, and effluent pump stations. An emergency holding pond is provided at the head of the treatment works. Waste sludge is treated in an aerated holding tank and then dewatered on drying beds. Final effluent discharges to Cockrell Creek. The most recent OWP/DEQ inspection report is attached.

ON-SITE DEFICIENCIES

14. NO FACILITY, **DIRECT** – Occupant: Reedville Menhaden, Inc., PO Box 370, Burgess 22432. Owner: Frederick R. Rogers III, PO Box 370, Burgess. Business- Fish packing company adjacent to Cockrell Creek. 6 employees. Sanitary Notice issued 5-14-04 to field #A70.
17. NO FACILITIES – Location: 18261 Northumberland Highway, Reedville 22539. Business- machine shop. 1 employee. Sanitary notice issued 4-5-04 to field #173B.
18. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 353 Fairport Road, Reedville 22539. Dwelling- white wood-sided 1 story with white shutters. Laundry wastes discharge through 1½" white PVC pipe onto ground surface. Sanitary Notice issued 4-2-04 to field #162B.
20. CONTRIBUTES POLLUTION, **DIRECT** – Owner: Trustee, PO Box 423, Kilmarnock 22482. Property address: 1519 Fairport Road, Reedville 22539. Camping trailer- white camping trailer with a brown stripe and with a brown shed. PVC septic line has duct tape around the connection joints which implies that the joints leak. Sanitary Notice issued 4-22-04 to field #B110.
21. CONTRIBUTES POLLUTION, **DIRECT** – Owner: Trustee, PO Box 423, Kilmarnock 22482. Property address: 1519 Fairport Road, Reedville 22539. Camping trailer- white camping trailer with a deck and a shed. Septic line not properly connected to septic system. Sanitary Notice issued 4-22-04 to field #B106.

22. CONTRIBUTES POLLUTION, ***DIRECT*** – Owner: Trustee, PO Box 423, Kilmarnock 22482. Property address: 1519 Fairport Road, Reedville 22539. Camping trailer- white camping trailer with brown trim and a deck. Septic line connected to septic system with duct tape. Sanitary Notice issued 4-22-04 to field #B105.
23. NO FACILITIES – Location: 1699 Fairport Road, Reedville 22539. Dwelling- silver camper trailer. 1 person. Portable toilet on premises. Sanitary Notice issued 4-2-04 to field #B92.
24. NO FACILITIES – Location: 1701 Fairport Road, Reedville 22539. Dwelling- white cement block 1½ story with brick trim. 1 person. Portable toilet on premises. Sanitary Notice issued 4-2-04 to field #B91.
26. CONTRIBUTES POLLUTION – Location: 72 Timbs Road, Reedville 22539. Dwelling- Tan vinyl siding 1 story with blue shutters. 2 persons. Effluent erupting from septic tank onto ground surface. Sanitary Notice issued 4-2-04 to field #B 66.
28. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 60 Polly Cove Road, Reedville 22539. Dwelling- white asbestos siding 2-story with green shutters and a tin roof. No contact. Gray water tank overflows into a hand dug trench. Sanitary Notice issued 4-2-04 to field #B 40.
32. CONTRIBUTES POLLUTION, ***DIRECT*** – Location: 2943 Fairport Road, Reedville 22539. Dwelling- green asbestos siding 1 story with white shutters. 1 person. Effluent erupting from septic tank onto ground surface. Sanitary Notice issued 3-26-04 to field #B 27.

POTENTIAL POLLUTION

15. Occupant: Bay Motel, 18754 Northumberland Highway, Reedville 22539. Owner: Janet Montiero, Reedville. Business- motel with 20 rooms. 4 employees. Can accommodate a maximum of 75 occupants. Owner stated that the septic system sometimes backs-up after a heavy rain or while there is a high occupancy rate. No evidence of discharge at time of inspection.

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

4. Occupant: Reedville Airport, 239 Menhaden Road, Reedville 22539. Owner: Omega Protein, PO Box 175, Reedville. Business - small private grass landing strip for menhaden spotter planes. No contact. Observed on-site was a 10,000 gallon above ground storage tank for aviation fuel surrounded by a concrete block berm. No evidence of leakage at time of inspection.
5. ***DIRECT*** - Omega Protein, PO Box 175, Reedville 22539. Business - menhaden rendering facility. Approximately 250 employees. Observed on-site were approximately 50 bermed above ground storage tanks for fish oil and solubles ranging from 12,000 – 500,000 gallons in size and 4 bermed above ground diesel fuel tanks ranging from 150,000 – 500,000 gallons in size. No evidence of leakage at time of inspection. Also observed on-site were five outfalls that discharge into Cockrell Creek. They include

contact and non-contact cooking water, two storm water discharges and the aeration lagoon for fish condensates. Currently operating under VPDES Permit #VA0003204 issued by the Department of Environmental Quality (DEQ). The most recent DEQ inspection report dated 18 October 2001 is attached.

8. Smith Point Seafood Inc., 567 Seaboard Road, Reedville, 22539. Owner: Ronald L. Jett, Reedville. Business - crab processing plant offering fuel sales. Observed on-site were 2 bermed above ground storage tanks for gasoline and diesel fuel totaling 1,000 gallons. No evidence of leakage at time of inspection.
9. Occupant: Walter Kilduff, Inc., PO Box 292, Reedville 22539. Owner: Al Christopher, Reedville. Business - bulk fuel plant. 2 employees. Observed on-site were 5 bermed above ground storage tanks with gasoline and middle distillates totaling 180,000 gallons. Also stored on the premises were 5 used fuel drums, 15 old gas pumps and 15 empty 55 gallon oil drums. No evidence of leakage at time of inspection.
11. Occupant: Reedville Marina, 902 Main Street, Reedville 22539. Owner: Charles Williams, PO Box 68, Reedville. Business - Commercial marina and restaurant. 6 employees. Observed on-site were a 1500 gallon gasoline tank and a 1500 gallon diesel fuel tank surrounded by a concrete berm. No evidence of leakage at time of inspection.
12. DIRECT – Pride of Virginia Seafood Products, PO Box 202, Reedville 22539. Business - fish packing facility. 6 employees. Washdown wastes discharge to Cockrell Creek from two buildings (Steamboat Warf and Pride of Virginia buildings) separated by Reedville Marina. Currently operating under VPDES Permit #VAG524005 issued by DEQ.
14. DIRECT – Occupant: Reedville Menhaden, Inc., PO Box 370, Burgess 22432. Owner: Frederick R. Rogers III, PO Box 370, Burgess. Business - fish processing facility. 6 employees. Observed on-site were a bermed 2000 gallon diesel fuel tank, a bermed 500 gallon waste oil tank and a 275 gallon gasoline tank with no berm or device around it to contain spills. Washdown wastes discharge to Cockrell Creek. Currently operating under VPDES Permit #VAG524006 issued by DEQ.
31. DIRECT – Omega Protein, Inc., 142 McNeal Road, Reedville 22539. Business - menhaden oil storage facility for the main plant located across Cockrell Creek. 6 employees. Observed on-site were 4 tanks of fish oil ranging from 50,000 to 100,000 gallons in size, a 140,000 gallon tank of stick water, a 100,000 gallon tank of caustics, a 100,000 gallon tank of sulfuric acid and 3 tanks ranging from 470,000 to 500,000 gallons not in use. No evidence of leakage at time of inspection. No fuel is stored on premises and there is no discharge to Cockrell Creek.
33. DIRECT – Eugene Pittman, 2998 Fairport Road, Reedville 22539. Business - fuel sales from pier on Cockrell Creek. 1 employee. Observed on-site were 3 above ground fuel tanks totaling 1000 gallons. 2 boats were present, but no slips are available.

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

11. Reedville Marina, 902 Main Street, Reedville 22539. Owner: Charles Williams, PO Box 68, Reedville. Commercial marina and restaurant. 6 employees. 21 slips. Present at the time of survey were 3 pleasure boats less than 26 feet, 1 pleasure boat greater than 26 feet and 1 workboat greater than 26 feet. Boating services include fuel, water and electricity. Containers are available for solid waste disposal. Sanitary facilities provided are 1 commode, 1 lavatory and 1 shower for men and 1 commode, 1 lavatory and 1 shower for women. Also available during hours of operation are the restroom facilities at the "Crazy Crab" restaurant on premises. Sewage disposal is by connection to Reedville Sewage Treatment Works. There are dump station and boat holding tank pump-out facilities at this location.
19. Buzzard Point Dry Storage and Marina, 468 Buzzard Point Road, Reedville 22539. Owner: Linwood Bowis, Reedville. Commercial marina. 6 employees. 59 slips/128 dry storage spaces available. Present at time of survey were 2 pleasure boats under 26', 12 pleasure boats over 26'; and in dry storage were 116 pleasure boats under 26' and 12 pleasure boats over 26'. Boating services provided are fuel, water, electricity, a hoist and an in-out ramp. Containers are available for solid waste disposal. Sanitary facilities provided are 3 commodes, 3 lavatories and 2 showers for men and 3 commodes, 3 lavatories and 2 showers for women. Sewage disposal is by septic tank with drainfield, which appeared to be in satisfactory condition at time of survey. There are pump-out facilities and dump station facilities provided at this location.
27. Fairport Marina, 252 Polly Cove Road, Reedville 22539. Owner: Roy Headley, Reedville. Commercial marina. 4 employees. 51 slips/4 moorings. Present at time of survey were 7 pleasure boats under 26', 3 work boats over 26', and 14 pleasure boats over 26'. Boating services provided are fuel, water and electricity. Containers are available for solid waste disposal. Sanitary facilities provided are 1 commode, 1 urinal and 1 lavatory for men and 1 commode, and 1 lavatory for women. Sewage disposal is by septic tank with drainfield, which appeared to be in satisfactory condition at time of survey. There are pump-out facilities and dump station facilities provided at this location.
29. Jennings Boat Yard, 169 Boat Yard Road, Reedville 22539. Owner: John L. Jennings, Reedville. Commercial marina. 3 employees. 40 slips/5 moorings/186 dry storage spaces available. Present at time of survey were 3 pleasure boats under 26', 9 pleasure boats over 26', 3 work boats over 26'; and in dry storage there were 28 pleasure boats under 26', 6 work boats under 26', 136 pleasure boats over 26' and 16 work boats over 26'. Boating services provided are water, electricity, a railway, a hoist and repair. Containers are available for solid waste disposal. Sanitary facilities provided are 1 commode, 1 urinal, 1 lavatory and 1 shower for men and 1 commode, 1 urinal, 1 lavatory and 1 shower for women. Sewage disposal is by septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. There are pump-out facilities and dump station facilities provided at this location.

OTHER PLACES WHERE BOATS ARE MOORED

2. Fleeton Point Seafood (William Haynie), 2898 Fleeton Road, Reedville 22539. Owner: Dr. Emory Lewis, 165 Fleeton Point Circle, Reedville. 2 persons. White block 1-story building and 2 piers to receive crabs from workboats. From this facility crabs are transported by truck to Little River Seafood, Inc. 1 pleasure boat and 1 workboat less than 26 feet and 1 pleasure boat and 1 workboat over 26 feet present at time of survey. Up to 4 moorings. Water and electricity are available. There are no sanitary facilities or other boating services at this location.
5. Omega Protein, PO Box 175, Reedville 22539. Private docking area for menhaden boats. Approximately 250 employees. Up to 10 moorings along piers. There were no boats present at time of survey. Containers are available for solid waste disposal. Sanitary facilities are provided within 500' of the shore end of the pier. Sewage disposal is by connection to Reedville Sewage Treatment Works. All menhaden boats are owned by Omega Protein and have Microphore marine sanitation devices aboard. Boating services include fuel, water and electricity.
7. Location: end of Seaboard Road, Reedville 22539. Private pier. No contact. 1 slip. Docking and unloading facility for 1 menhaden boat. There were no boats present at time of survey, because the 1 work boat over 40' owned by Ronald Bevans was in use. There are no boating services, sanitary facilities, boat holding tank pump-out facilities or dump station facilities provided at this location.
8. Smith Point Seafood Inc., 567 Seaboard Road, Reedville 22539. Owner: Ronald L. Jett, Reedville. Docking facility for crab processing plant. 5 moorings. Present at time of survey was 1 pleasure boat over 26'. Boating services provided are fuel and electricity. Containers are available for solid waste disposal. Sanitary facilities provided are 2 commodes and 1 lavatory for men and 2 commodes and 1 lavatory for women. Sewage disposal is by connection to Reedville Sewage Treatment Works. There are no boat holding tank pump-out facilities or dump station facilities provided at this location.
10. Reedville Marine Railway, PO Box 116, Reedville 22539. Owner: George Butler, Reedville. Boat repair facility. 1 employee. 6 slips/6 moorings. Present at time of survey were 2 pleasure boats and 3 work boats under 26', 2 pleasure boats and 5 work boats over 26'; and in dry storage there was 1 pleasure boat under 26' and 2 work boats over 26'. Boating services provided are electricity, a railway, an in-out ramp and repair. Containers are available for solid waste disposal. Sanitary facilities provided are 1 commode and 1 lavatory (unisex). Sewage disposal is by connection to Reedville Sewage Treatment Works. There are no boat holding tank pump-out facilities or dump station facilities provided at this location.
14. Reedville Menhaden, Inc., PO Box 370, Burgess 22432. Owner: Frederick R. Rogers III, PO Box 370, Reedville. Commercial fish processing facility. 6 slips/1 mooring, 6 employees. There were 2 workboats over 26 feet present at time of survey. There are no sanitary facilities available at this site. Boating services include water and electricity.
25. Location: Rt. 1, Box 1050, Reedville 22539. Private piers. No contact. 5 slips. There were no boats present at time of survey. Containers are available for solid waste collection. There are no boating services, sanitary facilities, boat holding tank pump-out facilities or dump station facilities provided at this location.

30. Chesapeake Bay Fishing Company, PO Box 175, Reedville 22539. Docking facility for Omega Protein menhaden boats. 7 moorings. Present at time of survey were 2 work boats over 26'. There are no boating services, sanitary facilities, boat holding tank pump-out facilities or dump station facilities provided at this location. All of the menhaden boats have onboard Microphore marine sanitation devices.
31. Omega Protein Inc., 142 McNeal Road, Reedville 22539. Menhaden oil storage facility for the main plant located across Cockrell Creek, 239 Menhaden Road, Reedville. 6 employees. 5 moorings. There were no boats present at time of survey. Containers are available for solid waste disposal. Sanitary facilities are provided within 500' of the shore end of the pier. Sewage disposal is by connection to Reedville Sewage Treatment Works. There are no boat holding tank pump-out facilities at this location since all of the menhaden boats have onboard Microphore marine sanitation devices.

UNDER SURVEILLANCE

1. Location: 176 Fleeton Warf Road, Reedville 22539. Private piers. No contact. Up to 12 moorings along piers. There were no boats present at time of survey. Containers are available for solid waste disposal. Sanitary facilities provided are 1 commode, 1 lavatory and 1 shower (unisex). Sewage disposal is to Reedville Sewage Treatment Works. There are no boating services provided.
3. Shell Landing, end of State Route 692, Reedville 22539. Owner: Department of Game and Inland Fisheries, 4010 West Broad Street, Richmond 23226. Public boat landing. No contact. 4 slips. There were no boats present at time of survey. Boating services available are 2 in-out ramps. There are no sanitary facilities or other boating services at this facility.
13. Reedville Fishermen's Museum, PO Box 306, Reedville 22539. No contact. Up to 8 moorings along pier. 3 pleasure boats less than 26 feet and 2 pleasure boats over 26 feet were present at time of survey. Containers are available for solid waste disposal. Sanitary facilities provided are 1 commode, 1 lavatory and 1 urinal for men and 1 commode and 1 lavatory for women. Sewage disposal is connection to Reedville Sewage Treatment Works. The only boating service provided is electricity.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

17. Location: 18438 Northumberland Highway, Reedville 22539. Dwelling - green frame 2 story farm house with black shutters and white trim. 2 persons. Present at time of survey were 21 Black Angus cattle in fenced pastures 1 mile from Cockrell Creek. Manure is left in pasture. Has Clean Water Farm Award from Virginia Department of Conservation and Historic Resources.
33. DIRECT - Location: 2998 Fairport Road, Reedville 22539. Dwelling - tan vinyl siding 1 story with black shutters. 2 persons. Present at time of survey were 6 horses in fenced pastures 100' from Cockrell Creek. Manure is left in pasture.

SUMMARY

Area # 012
Cockrell Creek
29 June 2004

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

1 – DIRECT – # 6
0 – INDIRECT – None
1 – B.1.TOTAL

2. ON-SITE SEWAGE DEFICIENCIES - Correction of deficiencies in this section is the responsibility of the local health department.

4 – CONTRIBUTES POLLUTION, DIRECT – # 20, 21, 22, 32
1 – CONTRIBUTES POLLUTION, INDIRECT – # 26
0 – CP – (Kitchen or Laundry Wastes), DIRECT – None
2 – CP – (Kitchen or Laundry Wastes), INDIRECT – # 18, 28
1 – NO FACILITIES, DIRECT – # 14
3 – NO FACILITIES, INDIRECT – # 17, 23, 24
11 – B.2. TOTAL

3. POTENTIAL POLLUTION - Periodic surveillance of these properties will be maintained to determine any status change.

1 – POTENTIAL POLLUTION – # 15

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

5 – DIRECT – # 5, 12, 14, 31, 33
4 – INDIRECT – # 4, 8, 9, 11
9 – C.1. TOTAL

2. SOLID WASTE SITES

0 – DIRECT – None
0 – INDIRECT – None
0 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

4 – MARINAS – # 11, 19, 27, 29
9 – OTHER PLACES WHERE BOATS ARE MOORED – # 2, 5, 7, 8, 10, 14, 25, 30, 31
3 – UNDER SURVEILLANCE – # 1, 3, 13
16 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

1 – DIRECT – # 33
1 – INDIRECT – # 16
2 – E. TOTAL

76°18'0"W

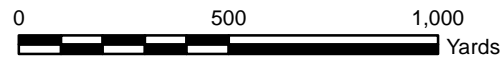
76°16'30"W

Virginia Department of Health
Division of Shellfish Sanitation

Cockrell Creek
012
Shoreline Sanitary Survey

Northumberland County

Date: June 29, 2004
Survey By: D.B. Geeson & W.A. McCarty III
Number of Properties Surveyed: 339



37°51'0"N

37°51'0"N

37°49'30"N

37°49'30"N

Legend

Seawater Sampling Stations

- Active
- Inactive

- Sewered areas

- DGIF Boat Ramps

Shoreline Survey Deficiencies

- Sewage Treatment Facility - Direct
- Sewage Treatment Facility - Indirect
- Contributes Pollution - Direct
- Contributes Pollution - Indirect
- Contributes Pollution (Kitchen or Laundry wastes) - Direct
- Contributes Pollution (Kitchen or Laundry wastes) - Indirect
- No Facilities - Direct
- No Facilities - Indirect
- Potential Pollution
- Industrial Wastes, Direct
- Industrial Wastes, Indirect
- Solid Waste Dumpsite - Direct
- Solid Waste Dumpsite - Indirect
- Boating Activity
- Contributes Animal Pollution - Direct
- Contributes Animal Pollution - Indirect

Geographic coordinates in NAD83 datum;
shown in degrees, minutes & seconds.